



1999 Toxics Release Inventory

MINNESOTA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	16,811,453	9,908,911	26,720,364
Air Emissions	14,757,728	976,779	15,734,507
Surface Water Discharges	1,735,699	20,572	1,756,271
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	44,250	0	44,250
Other On-site Land Releases	273,776	8,911,560	9,185,336
Off-site Releases (Transfers Off-site to Disposal)*	3,268,886	1,233,337	4,502,223
Total On- and Off-site Releases	20,080,339	11,142,248	31,222,587
Recycled On-site	204,704,491	4,307,188	209,011,679
Recycled Off-site	21,596,576	1,325,831	22,922,407
Energy Recovery On-site	4,659,701	0	4,659,701
Energy Recovery Off-site	2,179,958	72,358	2,252,316
Treated On-site	44,229,956	987,943	45,217,899
Treated Off-site**	17,053,519	20,027	17,073,546
Quantity Released On- and Off-site***	20,219,005	11,094,008	31,313,013
Total Production-related Waste Managed	314,643,206	17,807,355	332,450,561
Total Non-production-related Waste Managed	225	118	343

Transfers Off-site for Further Waste Management/Disposal

Recycling	22,998,773	1,325,942	24,324,715
Energy Recovery	2,225,613	72,058	2,297,671
Treatment	2,604,840	3,494	2,608,334
Publicly Owned Treatment Works (POTWs)	14,654,509	17,872	14,672,381
Metals and Metal Compounds*	169,774	1,308	171,082
Non-metal TRI Chemicals**	14,484,735	16,564	14,501,299
Other Off-site Transfers***	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	3,332,488	1,232,030	4,564,518
Total Transfers Off-site for Further Waste Management/Disposal	45,816,223	2,651,396	48,467,619

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

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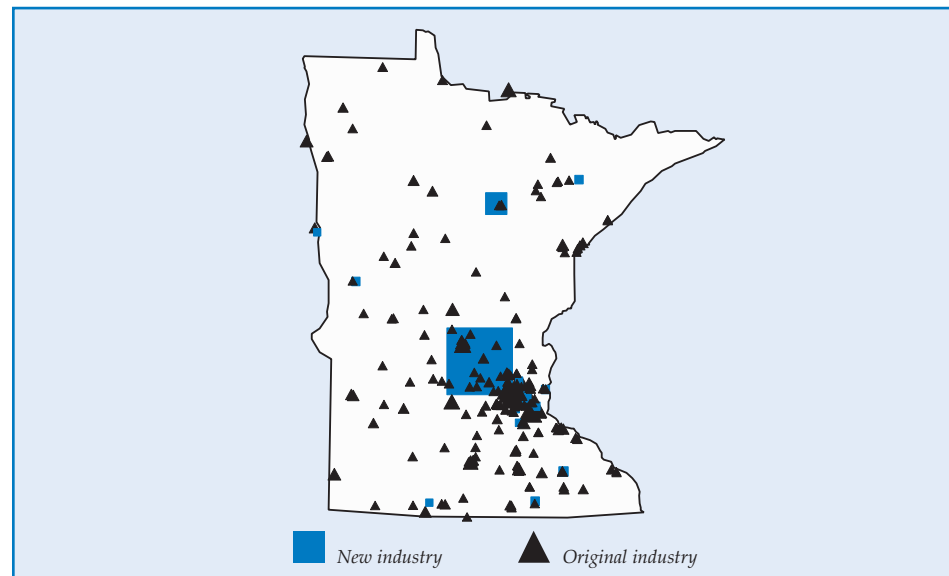
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To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):

(202) 260-1531

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The largest marker in the state map represents the largest facility for on-site releases in the state of Minnesota. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	4,775,508
Square Miles	79,617
Total Facilities	467
Total Forms	1,388
Form As	294

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	34	36	36
Pounds	20,080,339	11,142,248	31,222,587
National Rank for Total On-site Releases**			
Rank	34	36	35
Pounds	16,811,453	9,908,911	26,720,364
National Rank for Total Releases within State***			
Rank	35	36	36
Pounds	18,232,877	11,360,701	29,593,578
National Rank for Production-related Waste Managed			
Rank	23	37	29
Pounds	314,643,206	17,807,355	332,450,561

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
100-42-5	Styrene	1,901,893	5	0	0	9	1,901,907	0	9	0
108-88-3	Toluene	1,680,313	17	0	0	1,940	1,682,270	2,800	288	1,652
110-54-3	n-Hexane	1,611,001	4	0	250	686	1,611,941	0	0	686
67-56-1	Methanol	1,545,979	146	0	0	4,934	1,551,059	1,100	4,934	0
1330-20-7	Xylene (mixed isomers)	1,416,497	54	0	0	3,519	1,420,070	1,800	1,697	1,822
--	Nitrate compounds	925	1,235,739	0	43,837	53,185	1,333,686	0	9,185	44,000
7664-41-7	Ammonia	1,010,125	94,409	0	50,031	28,910	1,183,475	4	28,990	0
--	Copper compounds	2,519	122	0	0	935,677	938,318	6,821	9,253	926,424
78-93-3	Methyl ethyl ketone	857,874	97	0	0	188	858,159	1,100	0	188
--	Glycol ethers	769,239	10	0	0	457	769,706	2,501	0	457

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Barium compounds	62,034	10,385	0	6,563,535	1,053,168	7,689,122	55,240	1,053,148	20
--	Manganese compounds	8,480	8,000	0	1,160,020	26,235	1,202,735	10,640	26,230	5
--	Zinc compounds	6,526	819	0	447,020	27,091	481,456	161,822	20,145	6,947
--	Copper compounds	5,640	975	0	353,020	19,415	379,050	2,870	19,410	5
7647-01-0	Hydrochloric acid	362,930	0	0	0	0	362,930	0	0	0
7664-93-9	Sulfuric acid	221,270	0	0	0	0	221,270	0	0	0
--	Lead compounds	1,355	0	0	182,010	20	183,385	0	20	0
--	Nickel compounds	12,099	337	0	69,025	99,560	181,021	0	99,560	0
7664-39-3	Hydrogen fluoride	137,025	0	0	0	0	137,025	0	0	0
7664-41-7	Ammonia	121,097	0	0	5	0	121,102	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Koch Petroleum Group L.P., Rosemount, Dakota	502,608	838,919	0	0	0	64	1,341,591	24,202	3,880
3M Cottage Grove Center, Cottage Grove, Washington	225,351	533,188	0	0	0	0	758,539	296	194,978
Ford Motor Co. Twin Cities Assembly Plant, Saint Paul, Ramsey	728,303	0	0	0	0	0	728,303	2,062	14,461
Frigidaire Home Prods. - Freezer, Saint Cloud, Stearns	689,015	0	0	0	0	0	689,015	62,000	0
3M Hutchinson, Hutchinson, Mc Leod	635,650	0	0	0	0	0	635,650	10,010	2,200
Boise Cascade Corp., International Falls, Koochiching	512,513	80,830	0	0	0	0	593,343	23,018	0
Cenex Harvest States Oilseed Processing & Refining, Mankato, Blue Earth	544,000	250	0	0	250	0	544,500	0	0
3M St. Paul East Side Site, Saint Paul, Ramsey	424,617	0	0	0	0	0	424,617	2,354	0
Larson-Glastron Boats Inc., Little Falls, Morrison	410,441	0	0	0	0	0	410,441	0	0
Crown Cork & Seal Co. Inc., Owatonna, Steele	376,000	0	0	0	0	0	376,000	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Northern States Power Co., Becker, Sherburne	105,000	0	0	0	0	7,011,230	7,116,230	695	0
Boswell Energy Center, Cohasset, Itasca	123,070	10,870	0	0	0	1,586,025	1,719,965	75	25
Rochester Public Utilities Silver Lake Plant, Rochester, Olmsted	244,365	0	0	0	0	0	244,365	13,005	0
Austin Utilities Northeast Power Station, Austin, Mower	150,520	15	0	0	0	0	150,535	3,260	0
Otter Tail Power Co. Hoot Lake Plant, Fergus Falls, Otter Tail	10,901	0	0	0	0	130,000	140,901	0	0
Laskin Energy Center, Hoyt Lakes, St Louis	2,105	5,800	0	0	0	130,005	137,910	10	0
A.S. King Generating Plant, Bayport, Washington	112,548	3,374	0	0	0	25	115,947	634,075	0
LSP - Cottage Grove L.P., Cottage Grove, Washington	107,005	0	0	0	0	0	107,005	0	0
Black Dog Generating Plant, Burnsville, Dakota	23,815	130	0	0	0	54,005	77,950	120,500	5
Riverside Generating Plant, Minneapolis, Hennepin	58,904	377	0	0	0	265	59,546	326,558	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
North Star Recycling, Saint Paul, Ramsey	0	0	0	0	0	0	1,450,566	1,450,566	0
Koch Petroleum Group L.P., Rosemount, Dakota	137,338	73,187	0	0	2,758,151	482	1,364,332	4,333,490	0
3M Cottage Grove Center, Cottage Grove, Washington	0	876,580	32,277	457,754	15,587,788	26,819	953,813	17,935,031	0
Frigidaire Home Prods. - Freezer, Saint Cloud, Stearns	0	55,000	0	0	0	6,000	751,000	812,000	0
Ford Motor Co. Twin Cities Assembly Plant, Saint Paul, Ramsey	0	893,000	0	220	460,800	19,300	744,000	2,117,320	0
3M Hutchinson, Hutchinson, McLeod	16,390,000	330,000	0	237,494	3,471,000	1,701,500	652,803	22,782,797	0
Boise Cascade Corp., International Falls, Koochiching	0	0	710,000	0	9,060,100	0	610,430	10,380,530	0
Cenex Harvest States Oilseed Processing & Refining, Mankato, Blue Earth	0	19,000	0	0	12,400	600	540,200	572,200	0
3M St. Paul East Side Site, Saint Paul, Ramsey	0	5,482	228,993	363	2,093,929	120,596	426,972	2,876,335	0
Larson-Glastron Boats Inc., Little Falls, Morrison	0	0	0	4,350	0	0	410,441	414,791	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Northern States Power Co., Becker, Sherburne	0	0	0	0	478,770	0	7,082,950	7,561,720	0
Boswell Energy Center, Cohasset, Itasca	0	0	0	0	118,000	0	1,711,000	1,829,000	0
A.S. King Generating Plant, Bayport, Washington	0	0	0	0	103,000	0	747,000	850,000	0
Riverside Generating Plant, Minneapolis, Hennepin	0	0	0	0	72,000	0	385,500	457,500	0
Rochester Public Utilities Silver Lake Plant, Rochester, Olmsted	0	0	0	0	0	0	257,360	257,360	0
Black Dog Generating Plant, Burnsville, Dakota	0	0	0	0	39,000	0	202,500	241,500	0
Austin Utilities Northeast Power Station, Austin, Mower	0	0	0	0	0	0	153,770	153,770	0
Laskin Energy Center, Hoyt Lakes, St Louis	0	0	0	0	0	0	140,000	140,000	0
Otter Tail Power Co. Hoot Lake Plant, Fergus Falls, Otter Tail	0	0	0	0	47,000	0	136,000	183,000	0
High Bridge Generating Plant, Saint Paul, Ramsey	0	0	0	0	0	0	120,000	120,000	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.